

AMENDMENT(S) TO THE SPECIFICATION

Please replace the paragraph beginning at page 1, line 3, with the following rewritten paragraph:

BACKGROUND OF THE INVENTION

The invention relates to a casting roll for the continuous casting of thin metallic strips, in particular of steel strips, in a two-roll or one-roll casting installation. The casting roll has [[,]] ~~having~~ a roll core with an outer lateral surface and an annular roll shell which surrounds the roll core, is shrunk on and has an inner lateral surface and having a central casting-roll axis, and to a process for producing a casting roll of this type.

Please replace the paragraph beginning at page 1, line 13, with the following rewritten paragraph:

Casting rolls of this type are used to produce metal strip with a thickness of up to 10 mm[[,]]~~with liquid.~~ Liquid metal being is applied to the surface of at least one casting roll, where it at least partially solidifies and is deformed into the desired strip format. If the metal melt is applied predominantly to a casting roll, one speaks of one-roll casting processes. If the metal melt is introduced into a casting nip which is formed by two casting rolls arranged at a distance from one another, with the metal melt solidifying at the two casting-roll surfaces and a metal strip being formed therefrom, one speaks of two-roll casting processes. In these production processes, large quantities of heat have to be dissipated from the casting roll surface into the interior of the casting roll within a short time. This is achieved by the casting roll being equipped with an outer roll shell made from a particularly thermally conductive material, preferably copper or a copper alloy, and internal cooling with a cooling-water circuit. Casting rolls of this type have already been described, for example in US-A 5,191,925 or DE-C 41 30 202.

Please replace the paragraph beginning at page 2, line 14, with the following rewritten paragraph:

In conventional continuous-casting installations, it is known for the continuous-casting mold to be followed, over the path of the strand, by supporting and guide rollers, which are subject to

significantly lower thermal loads, for supporting the cast strand (DE-C 40 27 225)[[; in]]. In the case of these supporting and guide rollers, a roller shell is drawn onto a roller core by means of a shrink-fit connection, with a mating fit which complies with the appropriate standards then being provided between the roller shell and roller core.

Please insert the following section heading at page 3, line 12:

SUMMARY OF THE INVENTION

Please insert the following section heading at page 11, line 4:

BRIEF DESCRIPTION OF THE DRAWING

Please insert the following section heading at page 11, line 21:

DESCRIPTION OF PREFERRED EMBODIMENTS